



HIBBING TACONITE COMPANY

Managed by Cliffs Mining Company

4950 County Highway 5 North, PO Box 589, Hibbing, MN 55746-0589

P 218.262.5950 cliffsnaturalresources.com

July 24, 2017

Regional Administrator
Air and Radiation Division
US EPA, Region 5 (A-18J)
77 West Jackson Boulevard
Chicago, IL 60604
R5airenforcement@epa.gov

**Re: Hibbing Taconite Company's Quarter 2 2017
Excess Emissions & Monitoring Performance Report
Permit Number 13700061**

To Whom It May Concern:

Hibbing Taconite Company (HTC) is subject to the 2016 Revision to 2013 Taconite Federal Implementation Plan Establishing BART for Taconite Plants (FIP) which requires the installation of Continuous Emission Monitors (CEMS) to monitor nitrogen oxides (NO_x) and sulfur dioxide (SO₂). HTC's CEMS were certified on September 20-23rd, 2016 to 40 CFR Part 60, Appendix B. This submittal satisfies the requirements of 40 CFR 52.1235(e)(7).

Per 40 CFR 52.1235(c)(4)(v), HTC is to provide a report of each performance evaluation and QA/QC check within 60 days of completion. The most recent Relative Accuracy Test Audit (RATA) and Cylinder Gas Audit (CGA) results were submitted to the EPA on June 16th, 2017. During the reporting period, there were no out-of-control periods from the daily calibration drift assessments.

HTC does not have a limit in effect at this time associated with the NO_x CEMS, therefore the proposed NO_x limit listed in the FIP is not yet enforceable. The SO₂ limit came into effect during the 1st Quarter 2017 reporting period. Attached is HTC's Quarterly Excess Emissions and Monitoring System Performance Report. Considering that HTC's NO_x limit is not yet enforceable, HTC's report will contain a zero (0) in the boxes related to excess emission events. Periods of downtime that occurred during this reporting quarter are listed by monitor in the attached report.

Please contact Julie Lucas at (218) 262-6856 or julie.lucas@cliffsnr.com if you have any questions regarding this report.

I certify, based on the information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Sincerely,



Jack Crowell
General Manager

Cc: Julie Lucas, HTC
Jason Aagenes, Cliffs Natural Resources

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017
Company Name: Hibbing Taconite Company
Company Address: 4950 Hwy 5 North
Hibbing MN
Process Unit Identification: EU020, EU021, EU022

Process Unit Description: Pellet Indurating Furnace Line No. 1, 2 & 3; straight grate indurating furnaces.

Total Source Operating Time in Reporting Period: See Individual Stacks
Total Source Operating Days in Reporting Period: See Individual Stacks
Emission Limitation: 247.8 lbs SO₂/hr (30 day rolling average)
Analyzer Analyte: SO₂
Analyzer Manufacturer: See Individual Stacks
Analyzer Manufacturer Model No.: See Individual Stacks
Analyzer Serial Number: See Individual Stacks
Date of Latest CMS Certification or Audit: See Individual Stacks

Description of changes in CEMS, processes, or controls since last reporting period: See Individual Stacks

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017
Company Name: Hibbing Taconite Company
Company Address: 4950 Hwy 5 North
Hibbing MN
Process Unit Identification: EU020

Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 2,104 hours
Total Source Operating Days in Reporting Period: 87 days
Emission Limitation: N/A
Analyzer Analyte: NOX
Analyzer Manufacturer: See Individual Stacks
Analyzer Manufacturer Model No.: See Individual Stacks
Analyzer Serial Number: See Individual Stacks
Date of Latest CMS Certification or Audit: See Individual Stacks

Description of changes in CEMS, processes, or controls since last reporting period: See Individual Stacks

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV021**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,104 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **225**
 Date of Latest CMS Certification or Audit: **5/9/2017**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.09%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV021**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,104 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **137**
 Date of Latest CMS Certification or Audit: **5/10/2017**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.09%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV021
 Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 2,104 hours
 Total Source Operating Days in Reporting Period: 87 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Maihak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35HSBS
 Analyzer Serial Number: 13438339/ 8398564
 Date of Latest CMS Certification or Audit: 9/23/2016

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	2.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	4.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
05/09/2017 16:00	05/09/2017 17:59	2.0	Monitor equipment malfunctions	Flow meter cleaned. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV022**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,104 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **226**
 Date of Latest CMS Certification or Audit: **5/9/2017**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.09%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV022**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,104 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **136**
 Date of Latest CMS Certification or Audit: **5/10/2017**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.09%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017

Company Name: Hibbing Taconite Company

Company Address: 4950 Hwy 5 North

Hibbing MN

Process Unit Identification: EU020 SV022

Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 2,104 hours

Total Source Operating Days in Reporting Period: 87 days

Emission Limitation: N/A

Analyzer Analyte: Stack Flow

Analyzer Manufacturer: Sick Maihak

Analyzer Manufacturer Model No.: FLSE 100-H K178 35SHS

Analyzer Serial Number: 11318686/ 11318687

Date of Latest CMS Certification or Audit: 9/23/2016

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	1.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.14%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
05/18/2017 15:00	05/18/2017 15:59	1.0	Monitor equipment malfunctions	Flow meter cleaned. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV023**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,104 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Moniror Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **224**
 Date of Latest CMS Certification or Audit: **5/9/2017**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.09%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV023

Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 2,104 hours
 Total Source Operating Days in Reporting Period: 87 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 134
 Date of Latest CMS Certification or Audit: 5/10/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.09%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV023

Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 2,104 hours
 Total Source Operating Days in Reporting Period: 87 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Maihak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35SHSHS
 Analyzer Serial Number: 11318686/ 11318679
 Date of Latest CMS Certification or Audit: 9/23/2016

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	2.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	4.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
05/02/2017 01:00	05/02/2017 02:59	2.0	Monitor equipment malfunctions	Flow meter cleaned. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.00		
		0.00		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV024**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,104 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Moniror Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **215**
 Date of Latest CMS Certification or Audit: **5/9/2017**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.09%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV024**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,104 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **135**
 Date of Latest CMS Certification or Audit: **5/10/2017**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	6.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	8.0
3. Total CMS Downtime (%)	0.38%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
05/11/2017 13:00	05/11/2017 18:59	6.0	Other known causes	Routine maintenance work. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU020 SV024**

Process Unit Description: **Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **2,104 hours**
 Total Source Operating Days in Reporting Period: **87 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **Stack Flow**
 Analyzer Manufacturer: **Sick Maihak**
 Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHSHS**
 Analyzer Serial Number: **8398550/ 839551**
 Date of Latest CMS Certification or Audit: **9/23/2016**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.09%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,550 hours
 Total Source Operating Days in Reporting Period: 67 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: See Individual Stacks
 Analyzer Manufacturer Model No.: See Individual Stacks
 Analyzer Serial Number: See Individual Stacks
 Date of Latest CMS Certification or Audit: See Individual Stacks

Description of changes in CEMS, processes, or controls since last reporting period: See Individual Stacks

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV025

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,550 hours
 Total Source Operating Days in Reporting Period: 67 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 199
 Date of Latest CMS Certification or Audit: 5/10/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	3.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
4/21/17 21:00	4/21/2017 23:59	3.0	Quality assurance calibration	No daily cal check. Repaired issue. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV025

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,550 hours
 Total Source Operating Days in Reporting Period: 67 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 117
 Date of Latest CMS Certification or Audit: 5/9/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	3.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
4/21/17 21:00	4/21/2017 23:59	3.0	Quality assurance calibration	No daily cal check. Repaired issue. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV025

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,550 hours
 Total Source Operating Days in Reporting Period: 67 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Maihak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35SHSH
 Analyzer Serial Number: 11318688/ 11318669
 Date of Latest CMS Certification or Audit: 9/23/2016

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	3.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
4/21/17 21:00	4/21/2017 23:59	3.0	Quality assurance calibration	No daily cal check. Repaired issue. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV026

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,550 hours
 Total Source Operating Days in Reporting Period: 67 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 179
 Date of Latest CMS Certification or Audit: 5/10/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	3.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
4/21/17 21:00	4/21/2017 23:59	3.0	Quality assurance calibration	No daily cal check. Repaired issue. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
Company Name: **Hibbing Taconite Company**
Company Address: **4950 Hwy 5 North
Hibbing MN**
Process Unit Identification: **EU021 SV026**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,550 hours**
Total Source Operating Days in Reporting Period: **67 days**
Emission Limitation: **N/A**
Analyzer Analyte: **SO2**
Analyzer Manufacturer: **Teledyne Monitor Labs**
Analyzer Manufacturer Model No.: **T100H**
Analyzer Serial Number: **115**
Date of Latest CMS Certification or Audit: **5/9/2017**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	3.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
4/21/17 21:00	4/21/2017 23:59	3.0	Quality assurance calibration	No daily cal check. Repaired issue. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
Company Name: **Hibbing Taconite Company**
Company Address: **4950 Hwy 5 North**
Hibbing MN
Process Unit Identification: **EU021 SV026**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,550 hours**
Total Source Operating Days in Reporting Period: **67 days**
Emission Limitation: **N/A**
Analyzer Analyte: **Stack Flow**
Analyzer Manufacturer: **Sick Maihak**
Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHSHS**
Analyzer Serial Number: **11318672/ 11318685**
Date of Latest CMS Certification or Audit: **9/23/2016**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	3.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
4/21/17 21:00	4/21/2017 23:59	3.0	Quality assurance calibration	No daily cal check. Repaired issue. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV027

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,550 hours
 Total Source Operating Days in Reporting Period: 67 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 197
 Date of Latest CMS Certification or Audit: 5/10/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	3.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
4/21/17 21:00	4/21/2017 23:59	3.0	Quality assurance calibration	No daily cal check. Repaired issue. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV027

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,550 hours
 Total Source Operating Days in Reporting Period: 67 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 116
 Date of Latest CMS Certification or Audit: 5/9/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	3.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
4/21/17 21:00	4/21/2017 23:59	3.0	Quality assurance calibration	No daily cal check. Repaired issue. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV027
 Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,550 hours
 Total Source Operating Days in Reporting Period: 67 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Maihak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35SHS
 Analyzer Serial Number: 11318684/ 11318691
 Date of Latest CMS Certification or Audit: 9/23/2016

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	3.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
4/21/17 21:00	4/21/2017 23:59	3.0	Quality assurance calibration	No daily cal check. Repaired issue. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV028

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,550 hours
 Total Source Operating Days in Reporting Period: 67 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 198
 Date of Latest CMS Certification or Audit: 5/10/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	3.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
4/21/17 21:00	4/21/2017 23:59	3.0	Quality assurance calibration	No daily cal check. Repaired issue. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV028

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,550 hours
 Total Source Operating Days in Reporting Period: 67 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 119
 Date of Latest CMS Certification or Audit: 5/9/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	3.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
4/21/17 21:00	4/21/2017 23:59	3.0	Quality assurance calibration	No daily cal check. Repaired issue. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU021 SV028**

Process Unit Description: **Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,550 hours**
 Total Source Operating Days in Reporting Period: **67 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **Stack Flow**
 Analyzer Manufacturer: **Sick Maihak**
 Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHS**
 Analyzer Serial Number: **11318678/ 11318673**
 Date of Latest CMS Certification or Audit: **9/23/2016**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	3.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
4/21/17 21:00	4/21/2017 23:59	3.0	Quality assurance calibration	No daily cal check. Repaired issue. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022

Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,886 hours
 Total Source Operating Days in Reporting Period: 78 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: See Individual Stacks
 Analyzer Manufacturer Model No.: See Individual Stacks
 Analyzer Serial Number: See Individual Stacks
 Date of Latest CMS Certification or Audit: See Individual Stacks

Description of changes in CEMS, processes, or controls since last reporting period: See Individual Stacks

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV029**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,886 hours**
 Total Source Operating Days in Reporting Period: **78 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **213**
 Date of Latest CMS Certification or Audit: **5/10/2017**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.11%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022 SV029

Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,886 hours
 Total Source Operating Days in Reporting Period: 78 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 129
 Date of Latest CMS Certification or Audit: 5/9/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.11%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: April 1, 2017 - June 30, 2017
Company Name: Hibbing Taconite Company
Company Address: 4950 Hwy 5 North
Hibbing MN
Process Unit Identification: EU022 SV029

Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,886 hours
Total Source Operating Days in Reporting Period: 78 days
Emission Limitation: N/A
Analyzer Analyte: Stack Flow
Analyzer Manufacturer: Sick Maihak
Analyzer Manufacturer Model No.: FLSE 100-H K178 35SHSHS
Analyzer Serial Number: 11318676/ 11318683
Date of Latest CMS Certification or Audit: 9/23/2016

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.11%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV030**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,886 hours**
 Total Source Operating Days in Reporting Period: **78 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **212**
 Date of Latest CMS Certification or Audit: **5/10/2017**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.11%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022 SV030

Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,886 hours
 Total Source Operating Days in Reporting Period: 78 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 130
 Date of Latest CMS Certification or Audit: 5/9/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.11%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV030**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,886 hours**
 Total Source Operating Days in Reporting Period: **78 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **Stack Flow**
 Analyzer Manufacturer: **Sick Maihak**
 Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHS**
 Analyzer Serial Number: **11318682/ 11318681**
 Date of Latest CMS Certification or Audit: **9/23/2016**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.11%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022 SV031

Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,886 hours
 Total Source Operating Days in Reporting Period: 78 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 214
 Date of Latest CMS Certification or Audit: 5/10/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.11%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV031**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,886 hours**
 Total Source Operating Days in Reporting Period: **78 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **132**
 Date of Latest CMS Certification or Audit: **5/9/2017**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.11%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV031**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,886 hours**
 Total Source Operating Days in Reporting Period: **78 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **Stack Flow**
 Analyzer Manufacturer: **Sick Maihak**
 Analyzer Manufacturer Model No.: **FLSE 100-H K178 35SHS**
 Analyzer Serial Number: **11318670/ 11318677**
 Date of Latest CMS Certification or Audit: **9/23/2016**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.11%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV032**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,886 hours**
 Total Source Operating Days in Reporting Period: **78 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **NOX**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T200M**
 Analyzer Serial Number: **195**
 Date of Latest CMS Certification or Audit: **5/10/2017**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.11%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: **April 1, 2017 - June 30, 2017**
 Company Name: **Hibbing Taconite Company**
 Company Address: **4950 Hwy 5 North**
Hibbing MN
 Process Unit Identification: **EU022 SV032**

Process Unit Description: **Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.**

Total Source Operating Time in Reporting Period: **1,886 hours**
 Total Source Operating Days in Reporting Period: **78 days**
 Emission Limitation: **N/A**
 Analyzer Analyte: **SO2**
 Analyzer Manufacturer: **Teledyne Monitor Labs**
 Analyzer Manufacturer Model No.: **T100H**
 Analyzer Serial Number: **131**
 Date of Latest CMS Certification or Audit: **5/9/2017**

Description of changes in CEMS, processes, or controls since last reporting period: **N/A**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.11%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2017 - June 30, 2017
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022 SV032

Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,886 hours
 Total Source Operating Days in Reporting Period: 78 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Maihak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35SHSHS
 Analyzer Serial Number: 11318680/ 11318671
 Date of Latest CMS Certification or Audit: 9/23/2016

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	2.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	2.0
3. Total CMS Downtime (%)	0.11%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
04/21/2017 05:00	04/21/2017 06:59	2.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		